

Microsoft Knowledge Base Article - 285888

HOWTO: Use an Excel RTD Server with DCOM

Applies To

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SUMMARY

Excel 2002 provides a new worksheet function, RTD, that allows you to call a Component Object Model (COM) Automation server for the purpose of retrieving data in real time. This RealTimeData (RTD) server can exist as an ActiveX dynamic-link library (DLL) or EXE that runs on the same local computer or a remote server. When it runs on a remote server, the RTD server uses DCOM to communicate with Excel. This article describes how to configure DCOM on both the remote server and the local client computer to enable this functionality.

MORE INFORMATION

Configure DCOM on the Remote Server

1. Register the RTD server on the computer that will serve as the remote server. Note that Excel 2002 must be installed on both the remote server and the local client computer.
2. On the taskbar, click the **Start** button, click **Run**, type **Dcomcnfg.exe**, and then click **OK** to start the DCOM configuration utility.
3. On the **Default Security** tab, edit **Default Access Permissions** and add any users that are permitted to access the RTD server. For a public RTD server, add **Everyone** to allow anonymous access to the RTD server. Set **Type of Access** to **Allow Access**.
4. Add the same entries to the **Default Launch Permissions** list, and set the **Type of Access** to **Allow Launch**.
5. Add the same entries to the **Default Configuration Permissions** list. For most RTD servers, setting the **Type of Access** to **Read** should be sufficient. For RTD servers that use the registry to store settings, it may be necessary to set the **Type of Access** to **Full Control**.

Configure DCOM on the Local Client Computer

1. Register the RTD server on the local client computer. For Excel to request the RTD server on the remote server, only the ProgID and CLSID need to be registered.
2. Run Dcomcnfg.exe on the local client computer.
3. On the **Default Security** tab, edit the **Default Access Permissions**, and add the **Everyone** account. The RTD server must make calls to Excel 2002 to notify it when new data becomes available. Because of a feature of Windows security, the so-called "One Hop Rule," the RTD server makes its call back to Excel 2002 as an anonymous user. If the **Everyone** account is not listed under **Default Access Permissions**, the RTD server is unable to communicate with Excel 2002, and RTD formulas in Excel return #N/A.

After you configure the RTD server on both the local client computer and the remote server, start Excel on the local client and enter the RTD function into a cell on a worksheet. Use the second parameter of the RTD function to specify the remote server on which the RTD server is installed:

```
=RTD( "RTDEXE.RTDServer", "RemoteServer", "AAA" )
```

REFERENCES

For additional information about Excel 2002 and RTD servers, click the following article number to view the article in the Microsoft Knowledge Base:

[285339](#) HOWTO: Create a RealTimeData Server for Excel 2002

The information in this article applies to:

- Microsoft Office Excel 2003
- Microsoft Excel 2002

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